

STATE OF CALIFORNIA  
California Energy Commission

Minutes of the June 18, 2008, Energy Commission Business Meeting.

The meeting was called to order at 10:05 by Chairman Jackalyne Pfannenstiel. The Pledge of Allegiance was led by Chairman Pfannenstiel.

Present:

Jackalyne Pfannenstiel, Chairman  
James D. Boyd, Vice Chair  
Arthur H. Rosenfeld, Commissioner  
Jeffrey D. Byron, Commissioner  
Karen Douglas, Commissioner

1. CONSENT CALENDAR. (Items on the Consent Calendar will be taken up and voted on as a group. A Commissioner may request that an item be moved and discussed later in the meeting.)
  - a. FORTISTAR METHANE GROUP, LLC. Possible approval of Amendment 1 to Contract REN-01-062-01 to transfer ownership of the funding award for the Milliken Landfill Gas Project from NM Milliken Genco, LLC to Fortistar Methane Group, LLC, due to the sale of the Milliken project to Fortistar. Contact: Garry O'Neill.
  - b. STATE CONTROLLERS OFFICE. Possible approval of Contract 200-08-002 for \$45,000 with the State Controller's Office for processing Energy Commission travel advance and expense reimbursement payments using CalATERS, as required by Government Code 19822.3. CalAters was designed to achieve efficiency through automation and to significantly reduce the time required to process payments. (ERPA funding.) Contact: Mark Jones.
  - c. LAWRENCE BERKELEY NATIONAL LABORATORY. Possible approval of Amendment 1 to PIER Work Authorization MR-041 for twelve month no-cost time extension with U. S. Department of Energy-Lawrence Berkeley National Laboratory under the UC Master Research Agreement Number 500-02-004 with The Regents of the University of California – Office of the President/CIEE for *Technology for Real Time Transmission System Operation*. Contact: Jamie Patterson.
  - d. MERCEDES-BENZ USA, LLC. Possible approval of Amendment 1 to Contract 600-05-001 for a one-year extension of the Participation Agreement with the Department of General Services, California Air Resources Board, and Mercedes-Benz USA, LLC for the use of one Mercedes-Benz hydrogen fuel cell vehicle for one year for demonstration purposes in support of the Governor's Hydrogen Highway Initiative. Contact: Mike Trujillo.
- | *Commissioner -Rosenfeld moved and Commissioner Boyd seconded approval of the Consent Calendar. The vote was unanimous. (5-0)*
2. MARIN COUNTY. Possible approval of Marin County's adoption and enforcement of a local ordinance for new single family dwellings, additions and substantial remodels

requiring at least 15 percent greater energy efficiency than the 2005 *Building Energy Efficiency Standards*. Contact: Devorah Eden. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Marin County's adoption and enforcement of a local ordinance for new single family dwellings, additions and substantial remodels requiring at least 15 percent greater energy efficiency than the 2005 Building Energy Efficiency Standards. The vote was unanimous. (5-0)*

3. COUNTY OF SAN MATEO. Possible approval of the County of San Mateo's adoption and enforcement of a local ordinance for new construction and substantial remodels of single family, low-rise multi-family, commercial and industrial buildings requiring greater energy efficiency than the 2005 *Building Energy Efficiency Standards*, effective July 1, 2008. Contact: Devorah Eden. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of San Mateo's adoption and enforcement of local ordinance for new construction and substantial remodels of single family, low-rise multi-family, commercial and industrial buildings requiring greater energy efficiency than the 2005 Building Energy Efficiency Standards. The vote was unanimous. (5-0)*

4. ADMINISTRATIVE SUBPOENA. Possible approval of an administrative subpoena directing the California Independent System Operator (CA ISO) to provide data needed to evaluate generation and transmission outages, congestion, must-offer waivers, and load, to assist Energy Commission staff in assessing resource adequacy for summer 2009 and beyond. Contact: Caryn Holmes. (5 minutes)

*Commissioner Byron moved and Commissioner Byron seconded approval of an administrative subpoena directing the California Independent System Operator (CA ISO) to provide data needed. The vote was unanimous. (5-0)*

5. CALIFORNIA RESOURCES AGENCY. Possible approval of Contract 200-08-001 for \$870,000 with the California Resources Agency to provide three years of services for general policy oversight and climate change support. (ERPA funding.) Contact: Cheryl Raedel. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Contract 200-08-001. The vote was unanimous. (5-0)*

6. WEST PUBLISHING CORPORATION. Possible approval of Contract 140-08-001 for \$44,962 with West Publishing Corporation, dba Thomson West, for Westlaw online electronic legal database, research and information services for three years. (ERPA funding.) Contact: Elizabeth Flores. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Contract 140-08-001. The vote was unanimous. (5-0)*

7. ENTERPRISE NETWORKING SOLUTIONS, INC. Possible approval of California Multiple Award Schedule Purchase Order 07-409.00-024 for \$95,000 with Enterprise Networking Solutions Inc. (ENS) to provide support services for the New Solar Homes Partnership (NSHP) web-based application. ENS will provide design, coding, system

testing/quality assurance, and technical writing services to improve online processing of NSHP applications. (ERPA funding.) Contact: Payam Narvand. (5 minutes)

*Commissioner Douglas moved and Commissioner Byron seconded approval of Purchase Order 07-409.00-024. The vote was unanimous. (5-0)*

8. ENERCOMP, INC. Possible approval of Purchase Order 07-409.00-026 for \$149,995 with EnerComp, Inc., to modify the CALRES reference program, incorporating the forms, rule-sets, and other modeling protocols that are required components of the 2008 *Building Energy Efficiency Standards* for residential buildings. (SEP funding.) Contact: Rob Hudler. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Purchase Order 07-409.00-026. The vote was unanimous. (5-0)*

9. ENERGYSOFT, LLC. Possible approval of Purchase Order 07-409.00-027 for \$98,500 with EnergySoft, LLC to modify PERFORM 2005 and update it to PERFORM 2008, incorporating the forms, rule-sets, and other modeling protocols required by the 2008 *Building Energy Efficiency Standards* for nonresidential buildings, high-rise residential buildings, hotels and motels. (SEP funding.) Contact: Bruce Maeda. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Purchase Order 07-409.00-027. The vote was unanimous. (5-0)*

10. CAMBRIDGE SYSTEMATICS. Possible approval of Contract 600-07-007 for \$200,000 with Cambridge Systematics to update the *1993 Energy Award Planning Guide*. The updated information will be used to develop transportation plans, general plans and other policy documents that support the goals of California's Climate Change Solutions Act of 2006. (ERPA funding.) Contact: Nancy McKeever. (5 minutes)

*Commissioner Boyd moved and Commissioner Douglas seconded approval of Contract 600-07-007. The vote was unanimous. (5-0)*

11. SMITHERS SCIENTIFIC SERVICES, INC. Possible approval of Contract 600-07-006 for \$500,000 with Smithers Scientific Services, Inc. to provide specialized technical assistance to develop a fuel efficient tire program for passenger cars and light duty trucks. Tasks will include tire testing and analysis, evaluation of tire testing facilities, investigations and studies of tire rolling resistance, and participation in workshops, hearings, seminars, proceedings and conferences. (ERPA funding.) Contact: Ray Tuvell. (5 minutes)

*Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Contract 600-07-006. The vote was unanimous. (5-0)*

12. M.CUBED. Possible approval of Contract 600-07-005 for \$49,230 with M.Cubed to research and evaluate methods and data sources that best support accurate demand forecasts for marine and off-road transportation fuels. Comprehensive fuel demand forecasts are required to assess import infrastructure requirements and greenhouse gas

emissions for transportation fuels. (ERPA funding.) Contact: Robert McBride.  
(5 minutes)

*Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Contract 600-07-005. The vote was unanimous. (5-0)*

13. LIFE CYCLE ASSOCIATES. Possible approval of Contract 600-07-009 for \$699,760 with Life Cycle Associates to refine and update the full fuel cycle analysis, emphasizing environmental and emissions performance factors of the transportation fuels identified in the *AB 1007 Alternative Fuels Plan*. (PIER electricity funding.) Contact: McKinley Addy. (5 minutes)

*Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Contract 600-07-009. The vote was unanimous. (5-0)*

14. TIAX, LLC. Possible approval of Contract 600-07-008 for \$149,220 with TIAX, LLC to refine and update the full fuel cycle analysis, emphasizing sustainability factors of the transportation fuels identified in the *AB 1007 Alternative Fuels Plan*. (PIER electricity funding.) Contact: McKinley Addy. (5 minutes)

*Commissioner Boyd moved and Commissioner Rosenfeld seconded approval of Contract 600-07-008. The vote was unanimous. (5-0)*

15. ASPEN ENVIRONMENTAL GROUP. Possible approval of Contract 400-07-032 for up to \$4,050,000 and three years with Aspen Environmental Group to provide technical assistance and training to the Electricity Supply Analysis Division. The analytical areas include support for demand forecasting methods, scenario planning, probability analysis and risk assessment, natural gas assessment, and cost of generation. (ERPA funding.) Contact: Sylvia Bender. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of Contract 400-07-032. The vote was unanimous. (5-0)*

16. KEMA, INC. Possible approval of Contract 400-07-031 for \$1,599,995 with KEMA, Inc., to conduct the Residential Appliance Saturation Survey. KEMA will collect housing characteristics and energy consumption data, develop estimates to support energy and peak demand models, and prepare data sets and document project results. (ERPA funding.) Contact: Glen Sharp or Gary Occhiuzzo. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Contract 400-07-031. The vote was unanimous. (5-0)*

17. OAK RIDGE NATIONAL LABORATORY. Possible approval of Amendment 1 to Contract 500-05-016 adding \$100,000 and three months to develop an alternative energy consumption benchmarking methodology for commercial buildings that meets the eligibility requirements and deadlines of SB 1 and AB 1103. (ERPA and PIER electricity funding.) Contact: Martha Brook. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of Amendment 1 to Contract 500-05-016. The vote was unanimous. (5-0)*

18. **LAWRENCE BERKELEY NATIONAL LABORATORY.** Possible approval of Contract 500-07-043 for \$504,000 with U. S. Department of Energy-Lawrence Berkeley National Laboratory to analyze policy impacts on reducing greenhouse gas (GHG) emissions. The proposed project will develop quantitative tools to understand GHG policy options and their effects on California's energy sector. (PIER electricity funding.) Contact: Sarah Pittiglio. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of Contract 500-07-043. The vote was unanimous. (5-0)*

19. **WIND-STORAGE-ENHANCED TRANSMISSION RESEARCH AND DEVELOPMENT GRANT.** Possible approval of two projects totaling \$977,930, under the PIER Renewables Program Wind-Storage-Enhanced Transmission Research and Development grant solicitation. (PIER renewable funding.) Contact: Mike Kane. (10 minutes)
- a. Southern California Edison Company (SCE): *Storage Feasibility Analysis for Wind Interconnection Points on the SCE System.* (\$496,273)
  - b. Electric Power Research Institute (EPRI): *Metrics-based Evaluation of Storage at Wind Interconnection Points in California.* (\$481,657)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the two projects under the PIER Renewables Program Wind-Storage-Enhanced Transmission Research and Development grant solicitation. The vote was unanimous. (5-0)*

20. **PIER 2007-08 SOLAR PHOTOVOLTAIC RESEARCH DEVELOPMENT AND DEMONSTRATION GRANT.** Possible approval of six projects totaling \$2,000,000 under the PIER 2007-08 Solar Photovoltaic (PV) Research, Development and Demonstration Grant Solicitation. (PIER renewables funding.) Contact: Golam Kibrya. (5 minutes)
- a. GreenVolts Inc.: *Low Cost Installation of Concentrating PV.* (\$250,000)
  - b. Solar Tech (Silicon Valley Leadership Group): *Enabling Photovoltaic Markets in California through Building Integration, Standardization and Metering in the Carbon Economy.* (\$747,253)
  - c. Tilt Solar Inc.: *Demonstration of a Novel Low-Cost Two Axis Solar Tracking System.* (\$246,816)
  - d. GreenRay Inc.: *Development of an AC Module System.* (\$250,000)
  - e. Gaia Power Technologies: *Modular Turnkey Energy Storage Systems for Integration with Photovoltaics.* (\$247,816)

- f. University of California, Merced: *Development and Demonstration of a Concentrating PV System for Commercial Applications with Integrated Active Micro-inverters and an Optional Daylighting Subsystem.* (\$258,115)

*Commissioner Rosenfeld moved and Commissioner Boyd seconded approval of the six projects under the PIER 2007-08 Solar Photovoltaic (PV) Research, Development and Demonstration Grant Solicitation. The vote was unanimous. (5-0)*

21. ATASCADERO STATE HOSPITAL. Possible approval of a \$1,445,000 loan to the California Department of Mental Health to install a 100 kW Photovoltaic System and implement multiple energy efficiency projects at Atascadero State Hospital. This project is estimated to annually save the hospital approximately 1,165,000 kWh, 39,748 therms and a total savings of \$152,666 in reduced energy costs with a simple payback of approximately 9.5 years. (ECAA and/or bond funding.) Contact Adel Suleiman. (5 minutes)

*Commissioner Byron moved and Commissioner Rosenfeld seconded approval of loan to the California Department of Mental Health to install a 100 kW Photovoltaic System and implement multiple energy efficiency projects at Atascadero State Hospital. The vote was unanimous. (5-0)*

22. PASADENA CENTER OPERATING COMPANY. Possible approval of a \$3,000,000 loan to implement multiple energy efficiency projects at the Pasadena Convention Center. This project is estimated to annually save the Center approximately 1,942,720 kWh, 605 kW demand or a total of \$331,235 in reduced energy costs with a simple payback of 9 years. (ECAA and/or bond funding.) Contact: Adel Suleiman. (5 minutes)

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the loan to implement multiple energy efficiency projects at the Pasadena Convention Center. The vote was unanimous. (5-0)*

23. AB 2021 REPORT. Possible approval of *Recommended Strategic Plan to Transform the Existing HVAC Industry and Achieve Additional Peak Savings, Sustainable Profitability and Increased Customer Comfort*, as directed by AB 2021 (Levine, Chapter 734, Statutes of 2006). Contact: Valerie Hall. (10 minutes)

*Commissioner Rosenfeld moved and Commissioner Douglas seconded approval of Recommended Strategic Plan to Transform the Existing HVAC Industry and Achieve Additional Peak Savings, Sustainable Profitability and Increased Customer Comfort, as directed by AB 2021. The vote was unanimous. (5-0)*

24. **Minutes**  
Approval of the June 4, 2008, Business Meeting Minutes.

*Commissioner Rosenfeld moved and Commissioner Byron seconded approval of the June 4, 2008 Business Meeting Minutes. The vote was 4-0-1. (Commissioner Boyd abstained.)*

25. **Commission Committee Presentations/Discussion** – None
26. **Chief Counsel's Report** - None

27. **Executive Director's Report** – Melissa Jones introduced Elena Miller who is the newly appointed Public Adviser to the Commission. Elena had previously worked in the Legal Office.
28. **Legislative Director's Report** – Acting Legislative Director Marni Weber gave the report.
29. **Public Adviser's Report** – Elena Miller said thank you for the welcome and looked forward to working as the Public Adviser.
30. **Public Comment** - None

There being no further business, the meeting was adjourned.

Appearances:

Ms. Anne Premo, California Public Utilities Commission

Mr. Dale Gustavson, Better Buildings Incorporated (via telephone)

Ms. Cynthia Mitchell, The Utilities Reform Network (TURN) (via telephone)

Mr. Doug Payne, Solartech Business Operations (via telephone)

Respectfully submitted,

LANA MCALLISTER  
Acting Secretary to the Commission